

DRILL HOLES

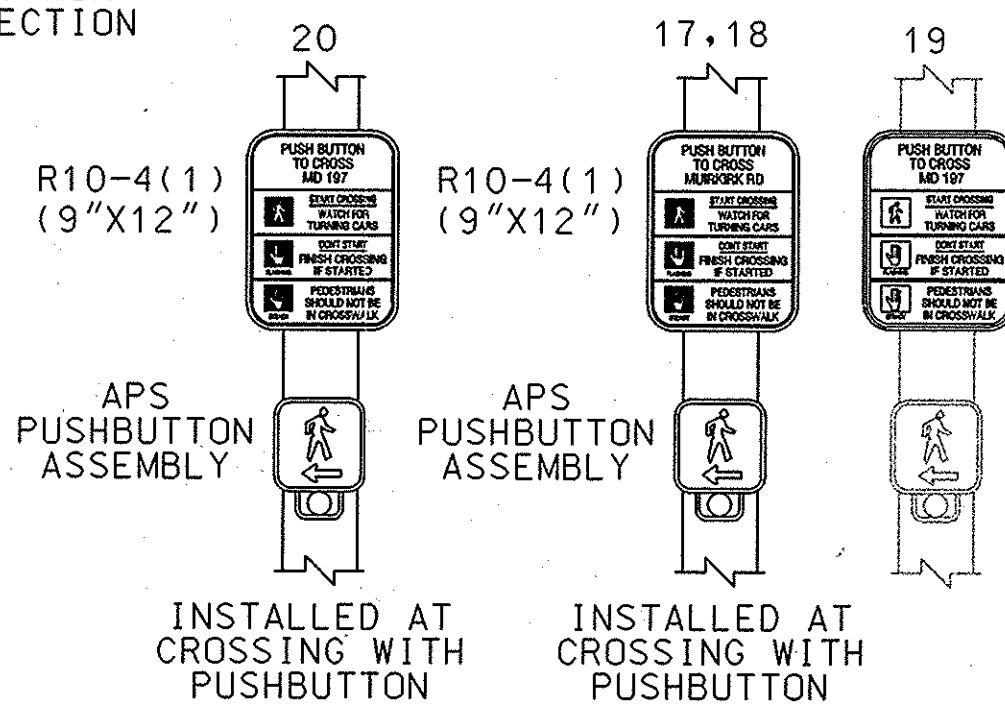
DRILL HOLES

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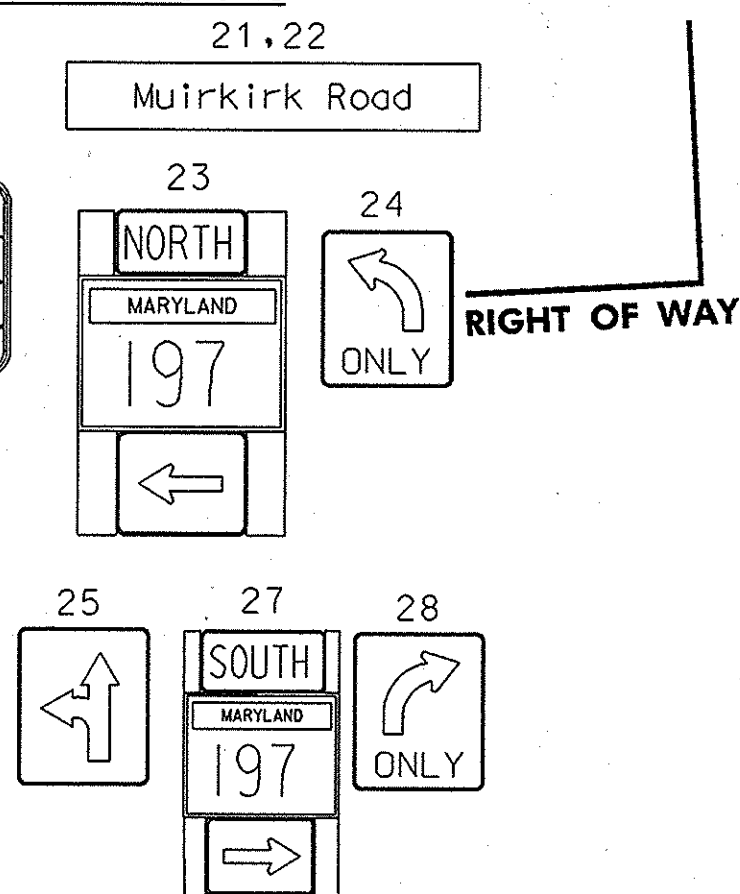
BORDER REV. DATE: June 1, 2004

MD 197 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

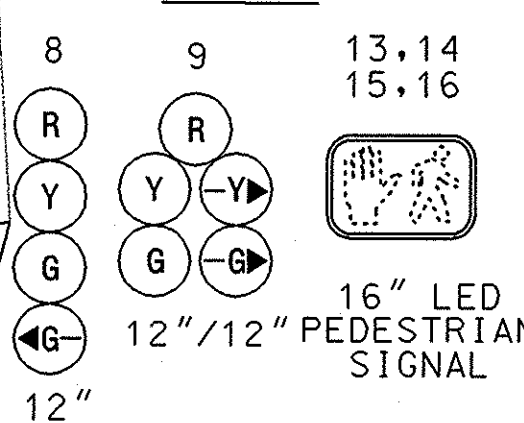
PROPOSED SIGNS



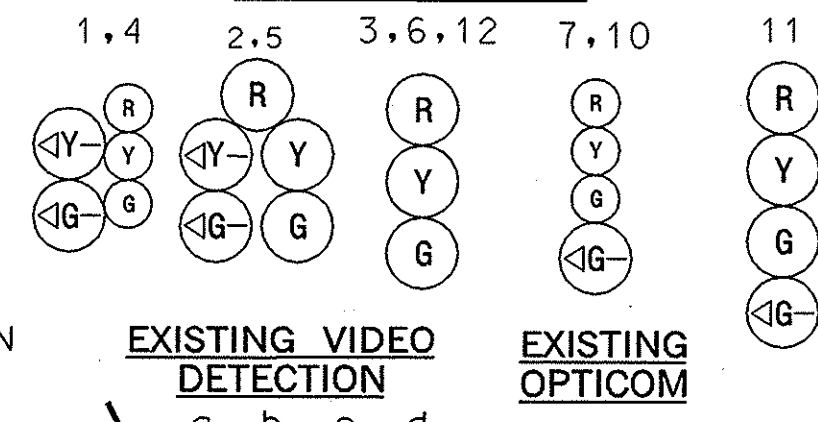
EXISTING SIGNS



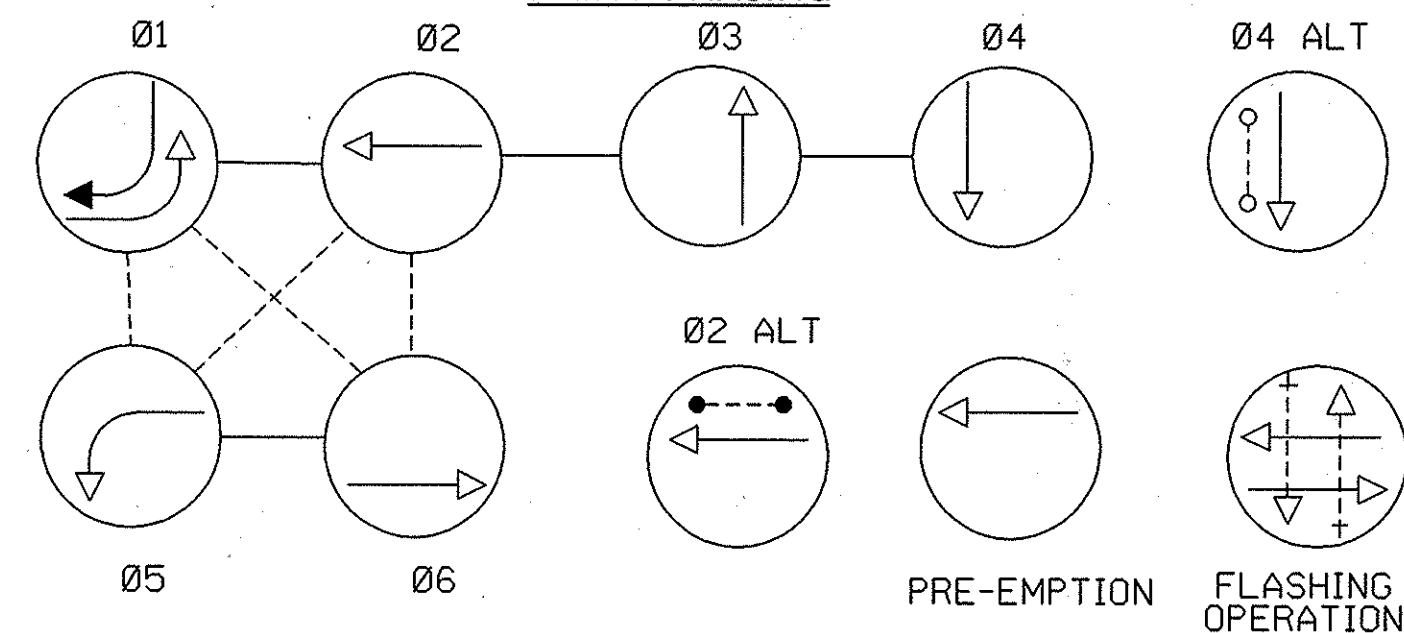
PROPOSED LED SIGNALS



EXISTING SIGNALS



NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

MD 197 (LAUREL - BOWIE RD) S.B.R

MD 197 (LAUREL - BOWIE RD) N.B.R

CONSTRUCTION DETAILS

- INSTALL CONCRETE FOUNDATION WITH 10 FT. STEEL PEDESTAL POLE WITH BREAKAWAY BASE, PEDESTRIAN SIGNAL HEAD AND APS PUSHBUTTON AND SIGN. (NOTE: ONE 2 INCH PVC SCHEDULE 80 CONDUIT BEND).
- USE EXISTING HANDHOLE.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- CAP AND ABANDON EXISTING CONDUIT.
- REMOVE EXISTING "LEFT TURN YIELD ON GREEN" SIGN FROM EXISTING MAST ARM.
- NEW VIDEO DETECTION ZONE (BY SHA FORCES).
- REMOVE EXISTING HANDHOLE AND BACKFILL.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- USE EXISTING CONDUIT.
- USE EXISTING CONTROLLER.
- REMOVE THE EXISTING SIGNAL HEAD.

- INSTALL NEW SIGNAL HEAD AS SHOWN.
- REMOVE EXISTING PEDESTAL POLE, ALL ASSOCIATED EQUIPMENT, AND FOUNDATION 12 INCH BELOW GRADE AND BACKFILL.
- INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL 12 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
- REMOVE EXISTING SIGN AND SUPPORT.
- REMOVE EXISTING "RIGHT TURN ONLY" SIGN FROM EXISTING MAST ARM.
- DISCONNECT CABLES IN EXISTING CONDUIT FROM CONTROLLER. PULL BACK TO THE HANDHOLE AND REROUTE THE EXISTING CABLES THROUGH PROPOSED CONDUIT AND CONNECT TO THE CONTROLLER.

GEOMETRIC LEGEND

===== EXISTING
===== PROPOSED

UTILITY LEGEND

SD SD STORM DRAIN
G G GAS MAIN
W W WATER MAIN
S S SEWER MAIN
E E ELECTRIC CABLES
A A AERIAL CABLES
T T TELEPHONE CABLES
F F FIBER-OPTIC

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL REMOVE ALL UNUSED CABLES IN CONDUIT.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04.
- FOR PAVEMENT MARKINGS REFER TO PAVEMENT MARKING PLANS. ALL PAVEMENT MARKINGS SHALL BE INSTALLED USING MSHA STANDARDS.

SG-01



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
**MD 197 (LAUREL - BOWIE RD)
AT MUIRKIRK ROAD**
LAUREL, MARYLAND

TRAFFIC SIGNAL PLAN

SCALE 1"=20' DATE 05/03/03 CONTRACT NO. 85525042012
DESIGNED BY COUNTY PRINCE GEORGE'S
DRAWN BY M LINARDI LOGMILE 16019712.28
CHECKED BY T.I.M.S. NO. G560
F.A.P. NO. TOD NO. AT604-10
DRAWING NO. TS-902H SHEET NO. 34A OF 55

REDLINE NO.2
ADD THIS SHEET
09/30/05



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APPROVALS	
TEAM LEADER	ASSY. DIV. CHIEF
ASSY. DIV. CHIEF	OFFICE DIRECTOR

REVISIONS	
09/30/05	MODIFICATION DUE TO GEOMETRIC IMPROVEMENTS. SHA NO. PG4005177
10/15/04	RECONSTRUCTION OF TRAFFIC SIGNAL SHA NO.: AT6045185 (PG657A51/B51)
11/03/03	DETECTOR REPLACEMENT DUE TO ROAD RESURFACING SHA NO.: XX1065285

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